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SAPC-21594
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27 NOV 1957

MEMORANDUM FOR: Project Director

ATTENTION : 25X1

SUBJECT : R-W Technical Proposal, CMCC Document No. 1133X5.48

REFERENCE : SAPC-21177, dated 30 October 1957 *attached*

1. This office recommends that only the first point of paragraph two of reference be considered at this time. A R-L indication for Bands 1A and 1B would be of considerable intelligence value. This requirement existed in the first design but was dropped when the first antenna nest was built as there was no room for R-L antennas. Later developments in improved antennas led to better antennas in smaller spaces and R-L antennas for Band I were used. Unfortunately no one remembered to put R-L indicator back into the system.

2. The cost, feasibility of a field modification for both System IV and its read-out equipment and time factor of this change should be requested.

3. The second change suggested in Paragraph two should not be considered at this time. Although R-W says the present concept is inadequate, the ESO has neither evaluated the concept (no workable read-out equipment has been supplied) nor has a copy of the work done by R-W in coming to the conclusion that the concept is unsatisfactory. The ESO has opposed the present concept stating from the early design days that a compression system without the more sophisticated AGC now in the system was adequate. If this R-W concept proves to be un-useable, the ESO will recommend trying the much simpler compression concept rather than re-designing the expensive (and of doubtful value) complete AGC system.

4. The third change suggested in Paragraph two of reference, although it has some merit, is not justifiable.

Concur

25X1

Acting ELINT Staff Officer

25X1

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